AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID C	ODE PA	GE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCH	ASE REQ. NO.	5. PROJECT NO). (If applicable)
0005	03/20/02				
6. ISSUED BY CODE		7. ADMINISTERED BY (//	f other than Item 6)	CODE	
U.S. Army Engineer District, Wil 69 Darlington Avenue (28403) Post Office Box 1890 (28402-1890 Wilmington, North Carolina	·				
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)			(X) 9A. AMENDMENT OF SOLICITATION NO.		
			X DACW54 - 0 9B. DATED (St 10A. MODIFIC 10B. DATED (t	01/14/0 ATION OF CONTR	
CODE	CILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a)By completing items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; (a) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. 12. ACCOUNTING AND APPROPRIATION DATA (If required) 13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. CHECK ONE A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office,					
appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor is not, is required to sign this document and return ————— copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (OR RFP NO. DACW54-01-R-0009, Ancho a. SECTION 01354: Delete exipage. b. Attachment 1 (6 Pages) and c. TIME AND DATE SET FOR PROP NOTE: Text that is revise underlined and prin (Encls - As Stated) Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	rage Basin and I sting Page 15 in Attachment 2 (! OSALS IS NOT EX' d by this amenda ted in bold app:	Passing Lane Dr n its entirety 5 Pages) are pr TENDED. (March ment is replace ropriately.	redging is and substit rovided for n 28, 2002, ed in its en	mended as ute enclos informatio 3:00 p.m., tirety and	follows: ed revised n. local time) /or
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF	AMERICA		16C. DATE SIGNED
		/Simmatu	re of Contracting Offi	corl	,
(Signature of person authorized to sign)		(Signatu	re of Contracting Offic	CBI)	

b. Reporting. Daily observer reports shall be submitted with the daily "Report of Operations-Hopper Dredges." Reports of take of any listed species shall be furnished to the Contracting Officer as soon as possible. All sea turtle sightings and locations (name of channel reach) shall be noted on the daily observer reports.

3.4.4 Pipeline Dredges

Special precautions to protect listed species are not required for pipeline dredges except as noted in subparagraph Avoidance of Marine Animals, below.

3.4.5 Mechanical Dredges

Special precautions to protect listed species are not required for mechanical dredges except as noted in subparagraph Avoidance of Marine Animals, below.

3.4.6 Avoidance of Marine Animals

- (1) Records shall be kept of the date, time, and approximate location of all marine mammal sightings. Care shall be taken not to closely approach (within 300 feet) any whales, manatees, or other marine mammals during dredging or transportation of dredged material. The observer shall serve as a lookout to alert the dredge operator and/or vessel pilot of the occurrence of these animals.
- (2) If whales or manatees are observed within 300 feet of the area being dredged, all work shall cease until the animals have left the area. If any marine mammals are observed during transit to the new Ocean Dredged Material Disposal Site (ODMDS), collisions shall be avoided either through reduced vessel speed, course, alteration, or both.
- (3) Sightings of whales or manatees in the work area shall be reported to the Contracting Officer as soon as possible. Sightings of whales shall also be reported as soon as possible to the NMFS Whale Stranding Network at 305-862-2850.
- (4) During ocean transit of dredging and disposal equipment from 1 December through 31 March one endangered species observer with at-sea large whale identification experience must be present to conduct daytime observations. Records shall be kept of the date, time, and approximate location of all marine mammal sightings. Care shall be taken not to closely approach any whales or manatees observed during dredging. The observer shall serve as a lookout to alert the vessel pilot of the occurrence of these animals. If any are observed, collisions shall be avoided either through reduced vessel speed, course alteration, or both. During the evening hours, when there is limited visibility due to fog, or when there are sea states of greater than Beaufort 3, the dredge must slow down to 5 knots or less when transiting between areas if whales have been spotted within 15 nautical miles of the vessel's path within the previous 24 hours.

3.5 PROTECTION OF AIR RESOURCES

Special management techniques as set out below shall be implemented to control air pollution by the construction activities. These techniques supplement the requirements of Federal, State, and local laws and regulations; and the safety requirements under this Contract. If any of the following techniques conflict with the requirements of Federal, State, or local laws or regulations, or safety requirements under this contract, then those requirements shall be followed in lieu of the following.

SECTION 01354 PAGE 15 (Revised by Amendment No. 0005)

ATTACHMENT 1

NC Division Of Water Quality, Water Quality Certification

State of North Carolina Department of Environment, Health and Natural Resources Division of Water Quality

James B. Hunt, Jr., Governor Jonath an B. Howes, Secretary A. Preston Howard, Jr., P.E., Director



October 17, 1996

Col. Robert Sperberg
District Engineer
U.S. Army Corps of Engineers
Wilmington District
P.O. Box 1890
Wilmington, NC 28402-1890

Dear Col. Sperberg,

Re: Certification Pursuant to Section 401 of the Federal Clean Water Act, Proposed Wilmington Harbor channel widening Project #960573 New Hanover County

Attached hereto is a copy of Certification No. 3085 issued to U.S. Army Corps of Engineers dated 17 October 1996.

If we can be of further assistance, do not hesitate to contact us.

Sincerely,

eston Howard, Jr.

Attachments

960573.wqc

cc: Wilmington District Corps of Engineers
Corps of Engineers Wilmington Field Office
Wilmington DWQ Regional Office
Mr. John Dorney
Mr. John Parker, Division of Coastal Management
Central Files
Hugh Heine; COE

MEMORANDUM FOR FILE: Wilmington Harbor Preconstruction Modifications of Authorized Improvements – Modification to 401 Water Quality Certification 3085

I talked to Shannon Stewart, DWQ, today about the above subject. Their letter of April 10, 2000 modified Water Quality Certification Number 3085 to include the subject action described in the February 2000 EA. We agreed that it did not matter what certification they modified (3085, or 3084-Comprehensive Study), as long as the modification was to a valid certification. 3085 is valid. Therefore we have a valid certification for the work proposed under the February 2000 EA, Preconstruction Modifications of Authorized Improvements, Wilmington Harbor, North Carolina.

Frank Yelverton



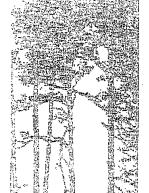
April 10, 2000

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF WATER QUALITY

BILL HOLMAN SECRETARY

KERR T STEVENS DIRECTOR



GOVERNOR

Col. James Delony U.S. Army Corps of Engineers District Engineer Wilmington District Post Office Box 1890 Wilmington, NC 28402-1890

Dear Col. Delony:

Re: Proposed Wilmington Harbor Channel widening & modification. Project # 960573 New Hanover County

Thank you for your February 7, 2000 letter requesting a modification of Water Quality Certification Number 3085 issued on October 17, 1996 to conform to revised plans as outlined in the February 2000 Environmental Assessment. This modification request is hereby approved. The conditions (#1, #2, and #3) of our October 17, 1996 approval are still in effect.

Please call Mr. John Dorney of my staff at (919) 733-9646 if you have any questions.

Cc: DWQ Wilmington Regional Office Frank Yelverton; US Army Corps of Engineers Doug Huggett; DCM Central Files File Copy



Attachment 1

NORTH CAROLINA 401 WATER QUALITY CERTIFICATION

THIS CERTIFICATION is issued in conformity with the requirements of Section 401 Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Water Quality (DWQ) Regulations in 15 NCAC 2H, Section .0500 to U.S. Army Corps of Engineers resulting in impact to the Cape Fear River in New Hanover County pursuant to an application filed on the 12th day of June of 1996 and as described in the Final Supplement I to the Final EIS dated June 1996 to conduct the Wilmington Harbor channel widening.

The application provides adequate assurance that the discharge of fill material into the waters of Cape Fear River in conjunction with the proposed development will not result in a violation of applicable Water Quality Standards and discharge guidelines. Therefore, the State of North Carolina certifies that this activity will not violate the applicable portions of Sections 301, 302, 303, 306, 307 of PL 92-500 and PL 95-217 if conducted in accordance with the application and conditions hereinafter set forth.

This approval is only valid for the purpose and design that you submitted in your application, as described in the Public Notice or as modified below. If you change your project, you must notify us and you may be required to submit a revised application. For this approval to be valid, you must follow the conditions listed below. In addition, you should get any other federal, state or local permits before you go ahead with your project including (but not limited to) Sediment and Erosion control, Coastal Stormwater, Non-discharge and Water Supply watershed regulations.

Condition(s) of Certification:

1. That the activity be conducted in such a manner as to prevent significant increase in turbidity outside the area of construction or construction related discharge (50 NTUs in streams and rivers not designated as trout waters by DWQ; 25 NTUs in all saltwater classes, and all lakes and reservoirs; 10 NTUs in trout waters).

2. If rock blasting is required, additional written DWQ approval is required after consultation with other state and federal agencies. Any fish killed during blasting

must be replaced at a cost to be determined by these agencies.

3. Conditions of General Certification Number 2668 (attached) must be followed.

Violations of any condition herein set forth shall result in revocation of this Certification and may result in criminal and/or civil penalties. This Certification shall become null and void unless the above conditions are made conditions of the Federal 404 and/or coastal Area Management Act Permit. This Certification shall expire upon expiration of the 404 or CAMA permit.

If this Certification is unacceptable to you have the right to an adjudicatory hearing upon written request within sixty (60) days following receipt of this Certification. This request must be in the form of a written petition conforming to Chapter 150B of the North Carolina General Statutes and filled with the Office of Administrative Hearings, P.O. Box 27447, Raleigh, N.C. 27611-7447. If modifications are made to an original Certification, you have the right to an adjudicatory hearing on the modifications upon written request within sixty (60) days following receipt of the Certification. Unless such demands are made, this Certification shall be final and binding.

This the 17th day of October, 1996

DIVISION OF WATER QUALITY

WQC #3085

Attachment 1 (Page 4 of 6 Pages)

:NERAL CERTIFICATION FOR ROJECTS ELIGIBLE FOR CORPS OF ENGINEERS NATIONWIDE PERMIT NUMBER 16 (RETURN WATER FROM UPLAND CONTAINED DISPOSAL AREAS)

This General Certification is issued in conformity with the requirements of Section 401, Public Laws 92-500 and 95-217 of the United States and subject to the North Carolina Division of Environmental Management Regulations in 15A NCAC 2H, Section .0500 and .15A NCAC 2B .0109 and .0201 for the discharge of fill material to waters and wetlands as described in 33 CFR 330 Appendix A (B) (16) of the Corps of Engineers regulations (i.e., Nationwide Permit No. 16). The category of activities shall include the discharge of return water from an upland, contained dredge disposal area. This certification replaces Water Quality Certification Number 1273 issued in November 10, 1978.

The State of North Carolina certifies that the specified category of activity will not violate Sections 301, 302, 303, 306 and 307 of the Public Laws 92-500 and 95-217 if conducted in accordance with the conditions hereinafter set forth.

Conditions of Certification:

- 1. Proposed fill or substantial modification of water or wetlands for this General Certification requires written concurrence from the Division of Environmental Management.
- 2. That the discharge will be free from toxic pollutants in other than trace quantities;
- 3. That the terminal end of the pipeline from the dredge into the retention area be positioned at a maximum distance from spillways to allow adequate settling of suspended solids and a sufficient distance from any part of the dike so as to preclude dike erosion by the pipeline discharge;
- 4. That a water control structure be installed at the intake end of the effluent leading from the retention area in order to insure maximum settling of suspended solids and control of discharge volumes;
- 5. That the flow from the diked retention area be contained by pipe, metal or wooden trough, or similar device to a point waterward of any emergent vegetation along the shoreline unless it can be clearly shown by the applicant the a different design will result in less environmental impact;
- 6. That sufficient freeboard be maintained within the diked disposal area during the dredging operation to assure the integrity of the dike structure and the containment of the dredged material;
- 7. That the concentration of settleable solids in the effluent being discharged from the diked disposal area be no greater than 0.1 ml/l;
- 8. The appropriate turbidity water quality standard shall not be exceeded or be above ambient background levels (which ever is more stringent) beyond an appropriate mix-

ing zone if one is established for a project by DEM (50 NTUs in st lams and rivers not desig ted as trout witer by DEM; 25 NTUs in all saltwater classes, and all lakes and reservoirs; and 10-MTUs in trout waters);

9. That the disposal area dikes be stabilized with vegetative cover as soon as possible after construction to min-

imize erosion; 10. That additional site-specific conditions may be added to projects proposed under this Certification in order to ensure compliance with all applicable water quality and effluent standards;

11. Concurrence from DEM that this Certification applies to any individual project shall expire three years from the date of the cover letter from DEM.

Non-compliance with or violation of the conditions herein set forth by a specific fill project shall result in revocation of this Certification for the project.

The Director of the North Carolina Division of Environmental Management may require submission of a formal application for individual certification for any project in this category of activity, if it is determined that the project is likely to have a significant adverse effect upon water quality or degrade the waters so that existing uses of the wetland or downstream waters are precluded.

Public hearings may be held for specific applications or group of applications prior to a Certification decision if deemed in the public's best interest by the Director of the North Carolina Division of Environmental Management.

This is the 21st day of January, 1992

DIVISION OF ÉNVIRONMENTAL MANAGEMENT

Вy

George T. (Everett, Director

gencert.16 jrd/gc

WQC# 2668

ATTACHMENT 2

NC DIVISION OF COASTAL MANAGEMENT LETTER (CONCURRING WITH OUR CONSISTENCY DETERMINATON)



NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF COASTAL MANAGEMENT

June 15, 2000

JAMES B. HUNT JR.

Colonel James W. DeLony District Engineer U.S. Army Corps of Engineers Wilmington District P.O. Box 1890 Wilmington, NC 28402-1890

BILL HOLMAN SECRETARY

DONNA D. MOFFITT DIRECTOR

REFERENCE: DCM00-14 EA and CD - Preconstruction Modifications of Authorized Improvements, Wilmington Harbor 96 Project

Dear Col. DeLony:

On May 17, 2000 the State of North Carolina completed its review, pursuant to 15 CFR 930 Subpart C - Consistency for Federal Activities, of the referenced document describing proposed modifications to the authorized Wilmington Harbor 96 Project in New Hanover and Brunswick Counties, North Carolina. The Corps of Engineers submitted the document to the state on February 17, 2000, and the project was assigned the number DCM00-14 for our review purposes.

During the course of our review several environmental concerns were raised by state agencies regarding potential impacts on the resources of the coastal zone. These comments were forwarded to the Corps for its consideration. As the consistency deadline was approaching, we extended our original consistency deadline 15 days, pursuant to 15 CFR 930.41, at the end of March. On April 10, 2000, our review was again extended to allow concerned state agencies to review the Corps' responses to comments on the Environmental Assessment (EA). The Division of Coastal Management received the Corps' responses on May 3 and again solicited comments from concerned state agencies.

The modifications that the Wilmington District Corps of Engineers seeks authorization for are as follows:

1. Construction and maintenance of the Wilmington Harbor entrance channel along a new alignment across the ocean bar.

2. Backfilling the abandoned channel length with dredged material not suited for beach or littoral zone disposal.



MAILING: 1638 MAIL SERVICE CENTER, RALEIGH, NORTH CAROLINA 27699-1638
PHYSICAL: 2728 CAPITAL BLVD., RALEIGH, NC 27604
PHONE: 919-733-2293 FAX: 919-733-1495
AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED / 10% POST-CONSUMER PAPER
DENR TOLL FREE HOTLINE: 1-877-623-6748
Attachment 2 (Page 1 of 5 Pages)

- 3. Placement of material dredged from the new channel alignment and other portions of the project on area beaches in New Hanover and Brunswick Counties.
- 4. Establishment of a comprehensive plan for dredging and disposal operations for each portion of the harbor, including hopper dredge with overflow.
- 5. Utilization of blast pressure criteria to measure impacts of blasting on aquatic resources and the elimination of the bubble curtain during blasting operations.
- 6. Placement of dredged material that does not go to the old channel, the littoral zone, the beaches, or other existing disposal sites, into the Offshore Dredged Material Disposal Site (ODMDS).

The Corps proposes to construct the new entrance channel alignment and place all suitable material on the nearby beaches over an approximately eighteen month period covering two winter seasons and one summer season. Turtle monitoring and shorebird surveys of affected beaches will be conducted. Details of the disposal operations for construction and maintenance of the channel are documented in a Sand Management Plan (SMP). In addition, the Corps has clarified details of the placement, timing, costs, and amount of sand to be deposited on the beaches of Bald Head Island, Caswell Beach, Oak Island, and Holden Beach in a letter dated June 9, 2000from Colonel James W. DeLony, District Engineer, to the mayors of the respective beach towns. We understand that disposal of dredged material from construction and maintenance of the project will be conducted according to the SMP and letter, as agreed to by the NC Division of Water Resources, the Brunswick County beach communities and the Corps of Engineers. We also understand that the use of hopper dredge with overflow will be limited to times of year and reaches of the project in which impacts on coastal resources will be minimized.

Based upon our review of the EA and the Corps of Engineers' response to comments, we do not disagree with your determination that the proposed construction and changes in harbor maintenance procedures are consistent with the North Carolina Coastal Management Program to the maximum extent practicable, provided that the project is performed according to the EA (including the Sand Management Plan and other appendices) and the Corps' responses to comments from the EA, and to Colonel DeLony's letter of June 9, 2000 (including attachments), and that the conditions below are met.

Col. James W. DeLony June 15, 2000 Page 3

- 1. Principal amongst the issues raised were potential impacts on sea turtles, shore and water birds, beach and benthic infauna, fisheries, and water quality parameters. It is extremely important that the impacts of this multifaceted project be well documented in order to evaluate the effects on these resources and on the overall coastal environment. The Corps of Engineers will pursue an integrated monitoring plan to address the resources noted in the first sentence of this paragraph, and will coordinate all monitoring efforts with the appropriate state agencies. This will include but not be limited to the North Carolina Division of Coastal Management, the Wildlife Resources Commission, the Division of Marine Fisheries, and the Division of Water Quality. We understand that the Corps intends to initiate monitoring coordination with the resource agencies in June of 2000.
- 2. As additional mitigation for impacts on fisheries resources, a fish passage structure will be constructed at Lock and Dam 1 on the Cape Fear River. In addition, fish passage alternatives for Lock and Dams 2 and 3 will be investigated. The Corps of Engineers and, as the Wilmington Harbor Project Sponsor, the State of North Carolina, have agreed to these actions.
- 3. The placement, timing, costs, and amount of sand to be deposited on Bald Head Island, Caswell Beach, Oak Island, and Holden Beach, both during construction and future maintenance; monitoring; and response to impacts shall be in accordance with Col. DeLony's letter of June 9, 2000, to the mayors of the respective towns receiving the sand (attached and incorporated by reference). If the towns, Corps, and project sponsor's representative mutually agree to modifications to the SMP or Col. DeLony's June 9, 2000 letter, those modifications shall be submitted to the North Carolina Division of Coastal Management for a determination of whether another consistency review is necessary on the modifications.
- 4. The state must have the opportunity to review the project, including monitoring results, to determine if it continues to be consistent with the North Carolina Coastal Management Program in two situations: 1) After five years from the date of this letter, and 2) before any subsequent modifications for future maintenance or other requests to modify the Wilmington Harbor 96 Project are considered. The Corps shall request this review and provide documentation of impacts (or lack thereof) on the coastal resources of concern.

Col. James W. DeLony June 15, 2000 Page 4

5. If in the future the Corps considers requesting authorization to conduct hopper dredging with over flow or to place maintenance dredge spoil on a beach, outside of the established time periods or locations, a separate consistency review will be required for each of these activities.

While the State of North Carolina supports beach nourishment and the placement of suitable spoil material on the beaches, we remain concerned about the short term and long term impacts on the biologic and ecologic resources of the coast. We maintain that the best time for such beach nourishment and renourishment is outside of the period of peak impacts on infauna, sea turtles, and fisheries. The State discourages individuals and agencies from seeking authorization to perform work outside established moratoria, and caution that our response is not to be interpreted as a precedent assuring authorization for future renourishment or disposal of sand on beaches outside of established dredging and disposal moratoria. We understand that summer beach disposal is necessary only during the construction phase of the project and that maintenance of the harbor channels will be conducted within established biological time frames.

Finally, with the increasing number of beach disposal and renourishment projects, much of the state's southern coast beaches will be in the placement or recovery phases in any given year. To this end, the Division of Coastal Management requests that the Corps consider combining the monitoring studies and environmental considerations of this project, the Wrightsville Beach, Carolina Beach, Kure Beach projects, and all of the Brunswick County Beaches projects to achieve a more comprehensive and cumulative impact analysis. Although these projects are separate in authorization and funding, we feel that concurrent studies could provide beneficial insights on impacts to resources from beach disposal and nourishment along this extended reach of shoreline.

If you have any questions regarding our findings, conditions, or recommendations, please contact Ms. Caroline Bellis, Division of Coastal Management, at (919) 733-2293. Thank you for your consideration of the North Carolina Coastal Management Program.

Sincerely,

Donna D. Moffitt

Col. James W. DeLony June 15, 2000 Page 5

Attachment

cc: Bob Stroud, Division of Coastal Management, Wilmington Franklin McBride, NC Wildlife Resources Commission Bennett Wynne, NC Wildlife Resources Commission Ruth Boettcher, NC Wildlife Resources Commission Fritz Rohde, NC Division of Marine Fisheries Mike Street, NC Division of Marine Fisheries John Dorney, Division of Water Quality Frank Yelverton, US Army Corps of Engineers John Meshaw, US Army Corps of Engineers